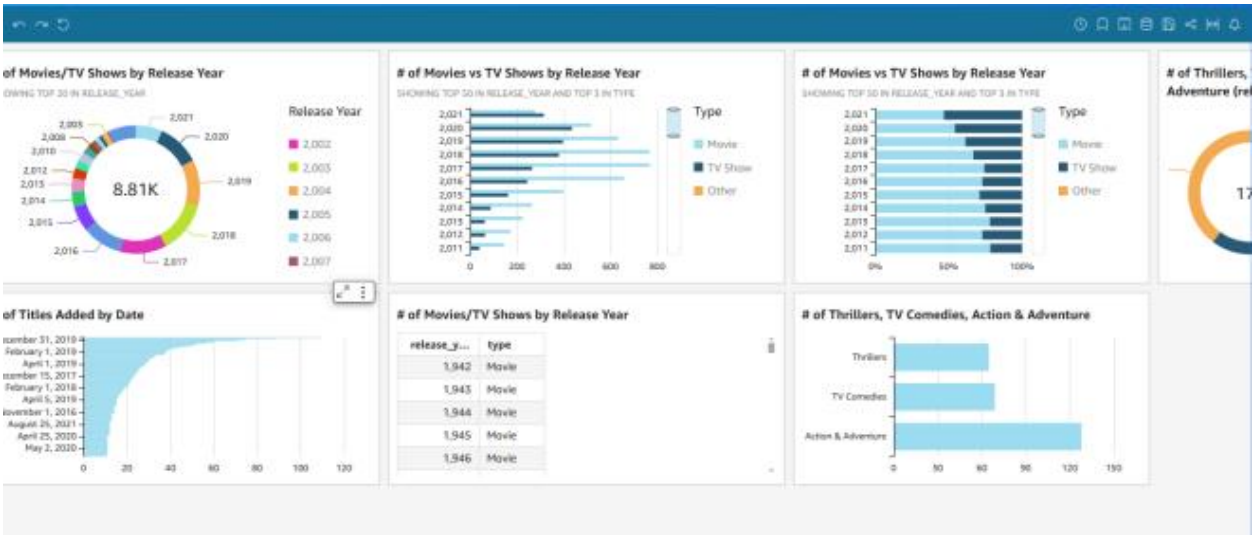
# Visualize data with QuickSight.




### What is Amazon QuickSight?

Amazon QuickSight is a cloud-based BI service for data analysis and visualization. It integrates with AWS, offers fast performance with SPICE, and provides machine learning insights for interactive dashboards.

### How I used Amazon QuickSight in this project

In today's project Amazon QuickSight is used to streamline the process of analyzing, visualizing, and sharing insights from the dataset to drive better, data-driven decisions.

### One thing I didn't expect in this project was...

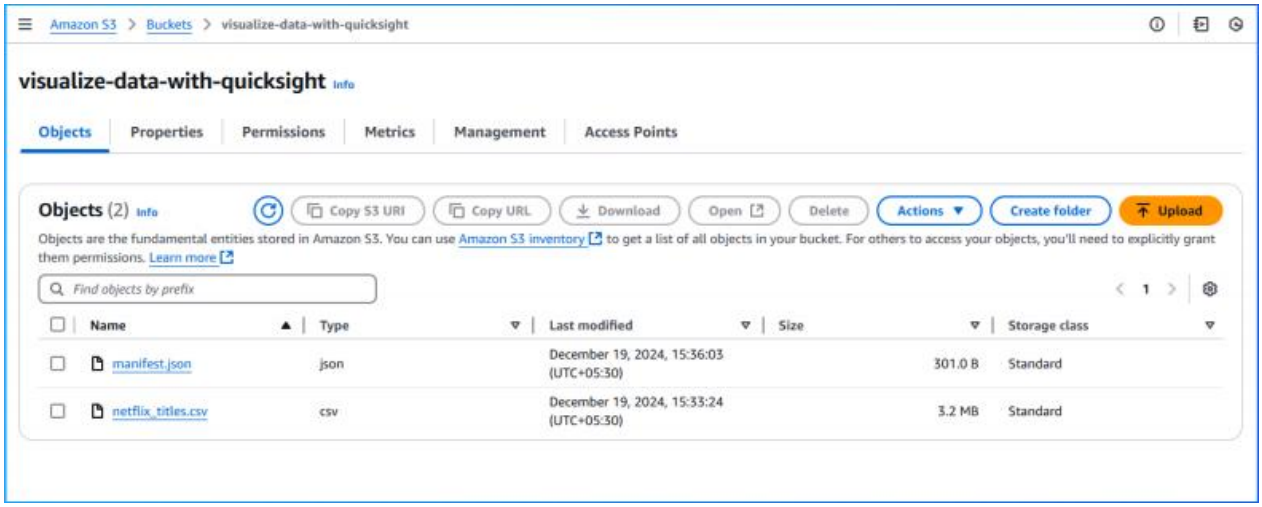
One thing I didn't expect in this project was Amazon QuickSight's built-in machine learning features, which automatically identify trends and anomalies in the data, making it easier to spot patterns without advanced expertise.

### This project took me...

This project took me hardly 1 hour to completed.

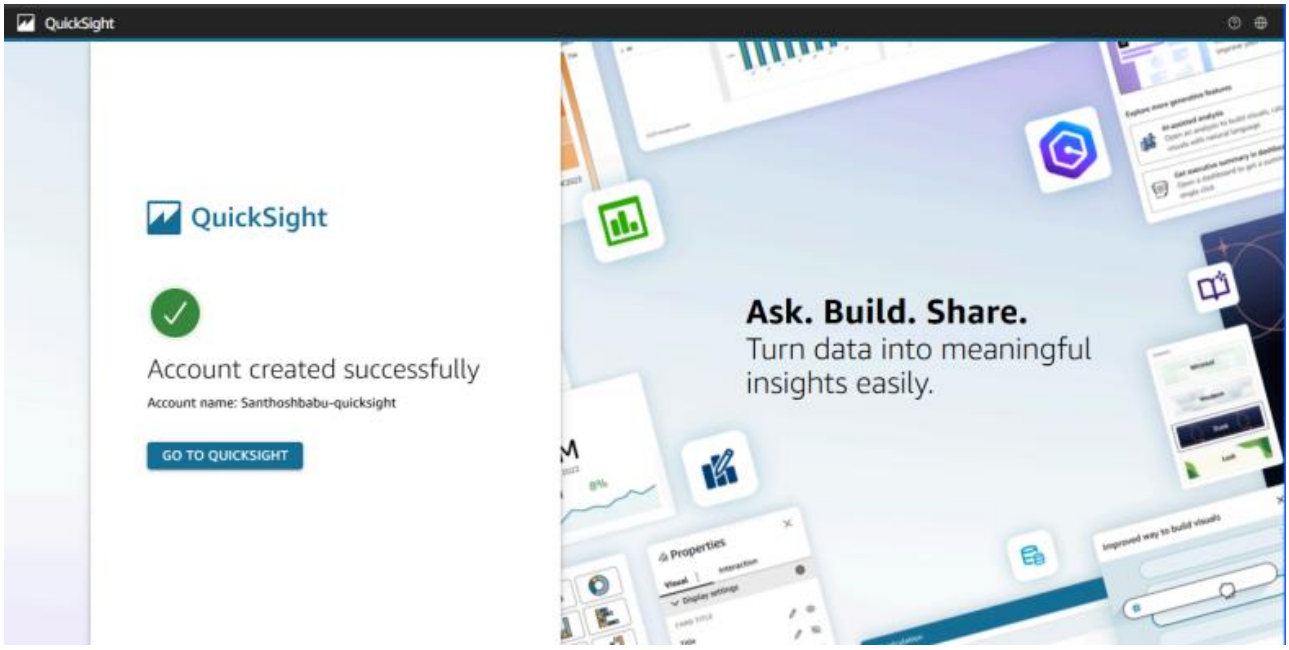
### Upload project files into S3

S3 is used in this project to store two files, which are manifest.json, netflix_titles.csv. I edited the manifest.json file by replacing the URL in the manifest.json file with the S3 URL of the dataset. It’s important to edit this file because Updating the URL in `manifest.json` ensures the app can correctly access and use the dataset.



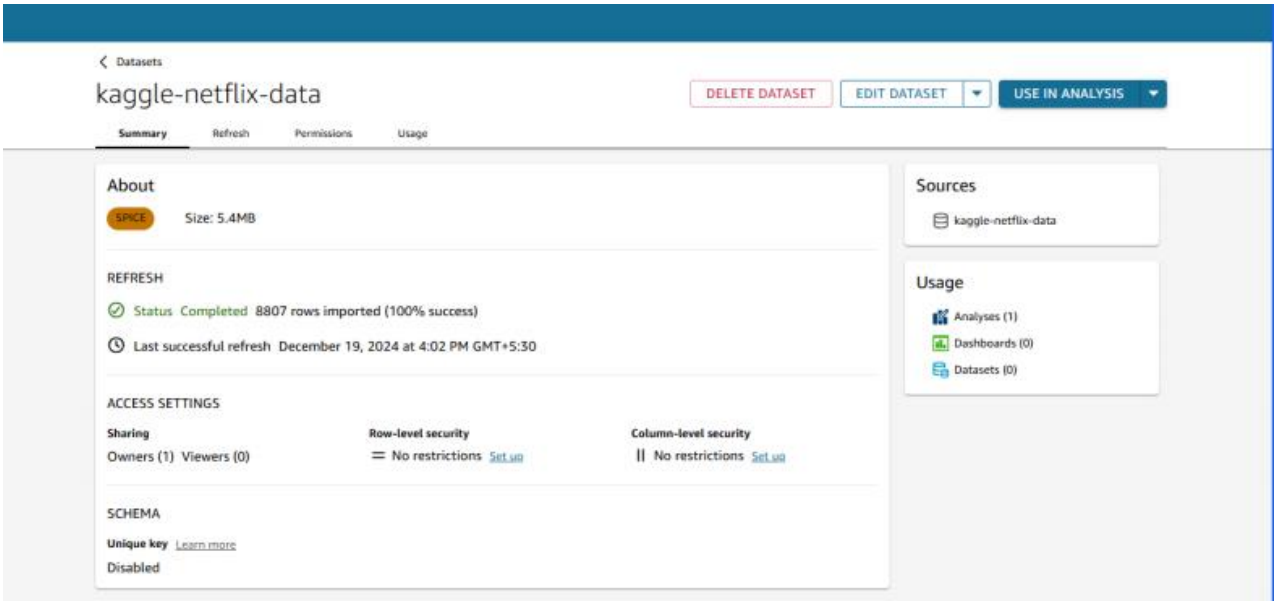
## Create QuickSight account

Creating a QuickSight account cost some money. But QuickSight comes with a free trial so you won't be charged for this project Creating an account took me just few minutes.




## Download the Dataset

I connected the S3 bucket to QuickSight by visiting Datasets, then New dataset, then S3. The manifest.json file was important in this step because it provides QuickSight with essential information about how to access, interpret, and process the data in S3 for analysis and visualization.

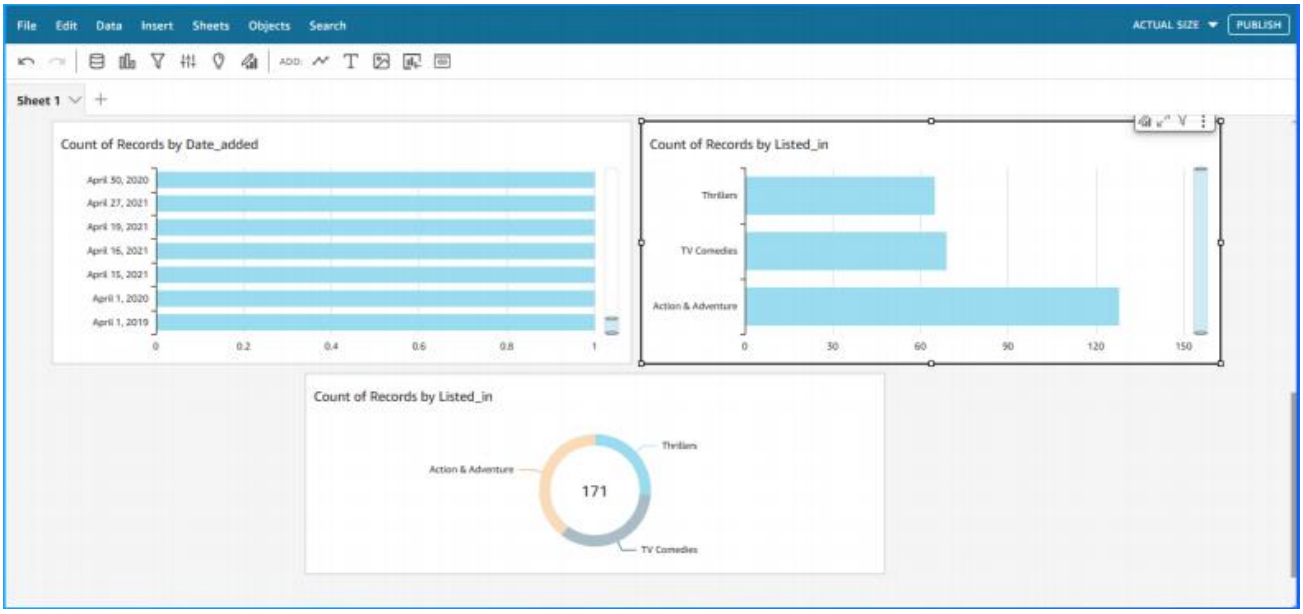



## My first visualization

To create visualizations on QuickSight, select a dataset, create an analysis, choose a visualization type, drag fields to the appropriate sections, customize the look, and save or share your analysis. The chart/graph shown here is a breakdown of the year that these Netflix  featured TV shows and movies were released. I created this graph by dragging and dropping the release_year and type fields.


## Using filters

Filters are useful for refining data, improving performance, ensuring accuracy, and making your analysis more focused and actionable. This visualization is a breakdown of Count of Date_added by Date_added, Count of Records by Listed_in and Count of Records by Listed_in after 2015. Here I added a filter by filtering the listed_in and release_year.




## Setting up a dashboard

As a finishing touch, I renamed each titles and resized the graphs as required to fit the screen Did you know you could export your dashboard as PDFs too? I did this by selecting the Export icon then Select Generate PDFs.Wait for the PDF to be ready, then select Download when you see that green banner pop up!